

a combining device which is connected to the model path and the transmit path, the combining device configured to subtract the correction function from the non-oversampled data symbol on the transmit path, the method comprising:

oversampling the data symbol two-fold and providing the oversampled data symbol to the model filter when the data symbol is part of an ADSL data transmission; and

providing data symbol in non-oversampled format to the model filter when the data symbol is part of an ADSL+ data transmission.

• **Replace Claim 24 with:**

24. A method for reducing the crest factor of a data symbol using a circuit in a multi-carrier data transmission system, the data symbol being a function of a plurality of signals provided within a predetermined time interval, each of the plurality of signals allocated to a carrier, each carrier occupying in each case at least one frequency from a transmit data spectrum, at least one carrier being reserved which is not provided for the data transmission, the circuit comprising:

a transmit path configured to receive the data symbol;

a model path arranged in parallel with a section of the transmit path the model path comprising:

a model filter configured to receive the data symbol;

an oversampling device operably coupled to an input of the model filter, and a bypass device configured to selectively bypass the oversampling device;

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20. A method for reducing the crest factor of a data symbol to be transmitted using a circuit in a multi-carrier data transmission system, the data symbol being a function of a plurality of signals provided within a predetermined time interval, each of the plurality of signals allocated to a carrier, each carrier occupying at least one frequency from a transmit data spectrum, at least one carrier being reserved which is not provided for the data transmission, the circuit comprising:

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a transmit path configured to receive the data symbol;

a model path arranged in parallel with a section of the transmit path the model path comprising:

a model filter configured to receive the data symbol;

an oversampling device operably coupled to an input of the model filter, and a bypass device configured to selectively bypass the oversampling device;

an analysis and evaluation circuit arranged following the model filter and configured to determine whether the time domain function of the non-oversampled data symbol, filtered by the model filter and exhibits within a predetermined time interval at least one maximum which exceeds a first threshold, and further configured to determine an associated position of the maximum within the time interval, and, by scaling and displacing a dirac-like sample function, to generate a correction function in dependence on the associated position and an amplitude of the maximum;

**DETAILED ACTION**

1. Claims 13, 15-25 are pending in the application.
2. Claims 1-12 & 14 have been canceled.

**EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David R. Moorman on 11/11/2009.

The Claims have been amended as follows:

- **Replace Claim 13 with:**

13. A circuit for reducing the crest factor of a data symbol to be transmitted in a multi-carrier data transmission system, the data symbol being a function of a plurality of signals provided within a predetermined time interval, each of the plurality of signals allocated to a carrier, each carrier occupying at least one frequency from a transmit data spectrum, at least one carrier being reserved which is not provided for data transmission, the circuit comprising:  
a transmit path configured to receive the data symbol;  
a model path arranged in parallel with a section of the transmit path the model path comprising:

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